

WHAT IS CLAIMED IS:

1. A hydraulic oil composition comprising:

5 (a) 5 wt% to 90 wt%, based on the composition, of a first paraffinic oil having a viscosity at 100°C of between 2 to 6 cSt;

(b) 5 wt% to 90 wt%, based on the composition of a second paraffinic oil having a viscosity at 100°C of between 3 to 15 cSt; and

10 (c) 5 wt% to 10 wt%, based on the composition, of a polymethacrylate viscosity index improver having a shear stability index in the range of 0 to 20

15 wherein the composition has a shear loss of less than 7% after 40 minutes as measured by ASTM 5621 and wherein for any given viscosity grade the composition has at least substantially the same or better Brookfield viscosity at 0°F and -20°F as a naphthenic oil containing hydraulic composition of the same viscosity grade.

20 2. An oil composition according to claim 1 wherein for each viscosity grade listed below the composition has the properties listed:

	ISO15	ISO22	ISO32	ISO46	ISO68	ISO100	ISO150
Maximum Pour Point °C	-42	-42	-42	-39	-39	-39	-30
Maximum Brookfield Viscosity at 0°F	500 cP	1000 cP	1300 cP	2600 cP	6000 cP	12000 cP	22,500 cP
Maximum Brookfield Viscosity at -20°F	1000 cP	2500 cP	5000 cP	12000 cP	30,000 cP	80,000 cP	

3. The composition of claims 1 and 2 wherein the viscosity index improver has an average molecular weight of from 10,000 to 1,000,000.

4. The composition of claim 3 including a minor amount of at least 5 one hydraulic oil additive.

5. The composition of claim 4 wherein the additive is at least one of pour point depressant, antiwear additive, corrosion inhibitor, antioxidant and defoamant.

10 6. A hydraulic oil composition comprising:

(a) 5 wt% to 90 wt% of a first paraffinic oil having a viscosity of 2 to 6 cSt at 100°C and a VI of 85 to 95;

15 (b) 5 wt% to 90 wt% of a second paraffinic oil having a viscosity of 3 to 15 cSt at 100°C and a VI of 90 to 95; and

20 (c) 5 wt% to 10 wt% of a polymethacrylate viscosity index improver having a shear stability of 0 to 20;

wherein the wt% are based on the total weight of the composition;

25 wherein the composition has a shear loss of less than 7% after 40 minutes as measured by ASTM 5621; and

wherein for each viscosity grade listed below the composition has the maximum pour point and Brookfield viscosities (BV) listed:

	ISO 15	ISO 22	ISO 32	ISO 46	ISO 68	ISO 100	ISO 150
Pour Point	-42°C	-42°C	-42°C	-39°C	-39°C	-39°C	-30°C
BV, 0°F	500cP	1000cP	1300cP	2600cP	6000cP	12,000cP	22,500cP
BV, -20°F	1000cP	2500cP	5000cP	12,000cP	30,000cP	80,000cP	